## **EAST Search History**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	328	(mimo and \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/05/07 14:31
L2	113	L1 and matrix.clm,	US-PGPUB; USPAT	OR	ON	2009/05/07 14:31
L3	27	2 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/05/07 14:31
L4	0	("2002177447" "2003125040")	US-PGPUB; USPAT	OR	ON	2009/05/07 14:34
L5	3	("20020177447" "20030125040")	US-PGPUB; USPAT	OR	ON	2009/05/07 14:34
L26	11	("2003/0003863").URPN.	USPAT	OR	OFF	2009/05/07 15:42
L27	10	("2003/0016640").URPN.	USPAT	OR	OFF	2009/05/07 15:42
L28	0	("2004/0033782").URPN.	USPAT	OR	OFF	2009/05/07 15:42
L29	11	("2003/0076777").URPN.	USPAT	OR	OFF	2009/05/07 15:43
S1	77	((pirjo near1 pasanen) (olav near1 tirkkonen)).in.	US-PGPUB; USPAT	OR	ON	2009/04/28 15:30
S2	7	S1 and schedul\$4.clm.	US-PGPUB; USPAT	OR	ON	2009/04/28 15:31
S3	70	S1 not S2	US-PGPUB; USPAT	OR	ON	2009/04/28 15:33
S4	7	S2 and (software algorithm program\$6)	US-PGPUB; USPAT	OR	ON	2009/04/28 15:34
<b>S</b> 5	23	(kogiantis).in.	US-PGPUB; USPAT	OR	ON	2009/04/28 15:53
S6	9	S5 and (mimo)	US-PGPUB; USPAT	OR	ON	2009/04/28 15:53
S7	0	S6 and (shedul\$5 with (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:53
S8	0	S6 and (shedul\$5 same (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:54
S9	2	S6 and (schedul\$5 same (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:54
S10	2	S6 and (schedul\$5 with (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:54

S11	13	("20020064167"   "5163071"   "5628052"   "5717689"   "5937333"   "6021124"   "6069885"   "6097969"   "6119263"   "6205130"   "6347235"   "6426814"   "6473399").FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/28 15:55
S12	5	("6751480").URPN.	USPAT	OR	OFF	2009/04/28 15:55
S13	17	S11 S12	USPAT	OR	OFF	2009/04/28 15:57
S14	0	S13 and (shedul\$5 with (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:57
S15	1	S13 and (schedul\$5 same (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:57
S16	327	(mimo and \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/04/28 15:58
S17	229	S16 and matrix	US-PGPUB; USPAT	OR	ON	2009/04/28 15:59
S18	30	S17 and (schedul\$5 with (matrix quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 15:59
S19	2	S18 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/28 15:59
S20	7	("5778317"   "6192256"   "6594473"   "7050759"   "7103325"   "7116944"   "7218692").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/28 16:00
S21	52	S17 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/28 16:01
S22	19	S21 and (quality with channel)	US-PGPUB; USPAT	OR	ON	2009/04/28 16:01
S23	4	S22 and (schedul\$5 allocat \$4 assign\$5).clm.	US-PGPUB; USPAT	OR	ON	2009/04/28 16:04
S24	9	\$22 and ((schedul\$5 allocat \$4 assign\$5) same (channel with quality))	US-PGPUB; USPAT	OR	ON	2009/04/28 16:04
S25	5	S24 not S23	US-PGPUB; USPAT	OR	ON	2009/04/28 16:10

S26	25	("20010041556"   "20020044611"   "20020056543"   "20020156065"   "20020186779"   "2003003863"   "2003003863"   "2003003860"   "2003003231706"   "200300231706"   "20040052215"   "20040052215"   "20040052666"   "6128276"   "6286029"   "6587256"   "6560295"   "6587256"   "6560295"   "6587256"   "6785341"   "6587256"   "6785341"   "6771706"   "6785341"   "682271"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/28 16:12
S27	6	("7103325").URPN.	USPAT	OR	OFF	2009/04/28 16:12
S28	121	(channel with quality) with matrix	USPAT	OR	OFF	2009/04/28 16:15
S29	81	\$28 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/28 16:15
S30	24	\$29 and (schedul\$5 allocat \$4 assign\$5).clm.	US-PGPUB; USPAT	OR	ON	2009/04/28 16:15
S31	16	\$30 and (schedul\$5 allocat \$4 assign\$5).ab.	US-PGPUB; USPAT	OR	ON	2009/04/28 16:16
S32	4	S31 and (mimo diversity \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/04/28 16:17
S33	12	S31 not S32	US-PGPUB; USPAT	OR	ON	2009/04/28 16:23
S34	5452	(375/140 375/141 375/146 375/267 375/295 375/299). ccls.	US-PGPUB; USPAT	OR	ON	2009/04/29 13:08
<b>S</b> 35	15888	(370/229 370/230 370/231 370/431 370/436 370/441 370/462 370/463 370/464 370/465 370/468 370/478 370/479 370/480 370/487). ccls.	US-PGPUB; USPAT	OR	ON	2009/04/29 13:17
S36	7043	(455/450 455/452.1 455/452.2 455/63.3 455/101 455/103 455/115.1 455/115.3 455/115.4 455/53.1).ccls.	US-PGPUB; USPAT	OR	ON	2009/04/29 13:24
S37	27363	S34 S35 S36	US-PGPUB; USPAT	OR	ON	2009/04/29 13:24
S38	2237	S37 and (cqi (quality with indicat\$4))	US-PGPUB; USPAT	OR	ON	2009/04/29 13:25

S39	54	S38 and ((cqi (quality with indicat\$4)) with matrix)	US-PGPUB; USPAT	OR	ON	2009/04/29 13:25
S40	47	S39 and (mimo diversity \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/04/29 13:26
S41	4	S40 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/29 13:26
S42	2	("2002/0197999").URPN.	USPAT	OR	OFF	2009/04/29 14:06
S43	19	("20020061007"   "20020068588"   "20020128143"   "20020131365"   "20020142789"   "200201477447"   "20020135055"   "20020139755"   "20020139799"   "20030013451"   "5752133"   "5946324"   "5999518"   "6546424"   "6785227"   "6823385"   "6917812"   "68985439"   "7031718"). PN.	US PGPUB; USPAT; USOCR	OR	OFF	2009/04/29 14:08
S44	33	("4313035"   "5206901"   "5243645"   "5329578"   "5559097"   "5724411"   "5793859"   "5802160"   "5805587"   "5905448"   "59089328"   "590789"   "5946386"   "5978673"   604478"   "6104799"   "6108321"   "6125176"   "6130338"   "6141556"   "6144644"   "620854"   "6301350"   "6330322"   "6386661"   "6377668"   "6386661"   "6377668"   "6801513"   "6678366"   "6801513"   "6678366"   "7042856"). FN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/29
S45	12495	schedul\$5 and (mimo diversity \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/04/29 14:11
S46	884	schedul\$5.ab. and S45	US-PGPUB; USPAT	OR	ON	2009/04/29 14: <b>1</b> 1
S47	22	S46 and ((cqi (quality with indicat\$4)) with matrix)	US-PGPUB; USPAT	OR	ON	2009/04/29 14:12
S48	2	S47 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/29 14:12
S49	82	S46 and ((cqi (quality with indicat\$4)) and matrix)	US-PGPUB; USPAT	OR	ON	2009/04/29 14:12
S50	16	\$49 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/29 14:12

S51	19	("6662024").URPN.	USPAT	OR	OFF	2009/04/29 14:31
S52	10	("5056109"   "5265119"   "5628052"   "5799005"   "5903554"   "5933787"   "6097972"   "6127971"   "6131016"   "6212242").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/29 14:31
S53	16	("7020110").URPN.	USPAT	OR	OFF	2009/04/29 14:31
S54	13	("20020177447"   "20030125040"   "20040082356"   "5515378"   "5703905"   "6205193"   "6212242"   "6215818"   "6351499"   "6353645"   "6400758"   "6532258"   "6662024").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/29 14:31
S55	5	("7047016").URPN.	USPAT	OR	OFF	2009/04/29 14:31
S56	10	("5056109"   "5265119"   "5274841"   "5799005"   "5903554"   "5923650"   "6097972"   "6236646"   "6459888"   "6721333").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/29 14:31
S57	15	("2002/0177447").URPN.	USPAT	OR	OFF	2009/04/29 14:31
S58	14	("2003/0087673").URPN.	USPAT	OR	OFF	2009/04/29 14:32
S59	43	("2003/0125040").URPN.	USPAT	OR	OFF	2009/04/29 14:32
S60	21	("2003/0128658").URPN.	USPAT	OR	OFF	2009/04/29 14:32
S61	23	(kogiantis).in.	US-PGPUB; USPAT	OR	ON	2009/04/29 15:02
S62	9	S61 and (mimo)	US-PGPUB; USPAT	OR	ON	2009/04/29 15:02
S63	1073	orthonormal with matrix	US-PGPUB; USPAT	OR	ON	2009/04/29 17:26
S64	490	S63 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/29 17:26
S65	12495	schedul\$5 and (mimo diversity \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S66	884	schedul\$5.ab. and S65	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S67	82	S66 and ((cqi (quality with indicat\$4)) and matrix)	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S68	16	S67 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27

S69	0	S64 and S68	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S70	0	S64 and S66	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S71	3	S64 and S65	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S72	3	S71 not @ad> = "20030312"	US-PGPUB; USPAT	OR	ON	2009/04/29 17:27
S73	5	("5592490"   "5710768"   "5757845"   "6144711"   "6625138").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/29 17:32
S74	6	("7110349").URPN	USPAT	OR	OFF	2009/04/29 17:32
<b>S</b> 75	43	\$64 and (mimo diversity \$2sttd)	US-PGPUB; USPAT	OR	ON	2009/04/29 17:33
S76	5452	(375/140 375/141 375/146 375/267 375/295 375/299). ccls.	US-PGPUB; USPAT	OR	ON	2009/04/29 17:34
S77	15888	(370/229 370/230 370/231 370/431 370/436 370/441 370/462 370/463 370/464 370/465 370/468 370/478 370/479 370/480 370/487), ccls.	US-PGPUB; USPAT	OR	ON	2009/04/29 17:34
S78	7043	(455/450 455/452.1 455/452.2 455/63.3 455/101 455/103 455/115.1 455/115.3 455/115.4 455/53.1).cols.	US-PGPUB; USPAT	OR	ON	2009/04/29 17:34
S79	27363	S76 S77 S78	US-PGPUB; USPAT	OR	ON	2009/04/29 17:34
S80	14	S75 and S79	US-PGPUB; USPAT	OR	ON	2009/04/29 17:34
S81	0	\$80 and (non-orthonormal (non adj orthonormal))	US-PGPUB; USPAT	OR	ON	2009/04/29 17:36
S82	0	(orthonormal with matrix with modulat\$5) and S75	US-PGPUB; USPAT	OR	ON	2009/04/29 17:48
S83	24	( matrix with modulat\$5) and S75	US-PGPUB; USPAT	OR	ON	2009/04/29 17:49
S84	16	S83 not S80	US-PGPUB; USPAT	OR	ON	2009/04/29 17:49
S85	6	orthonormal with matrix with modulat\$5	US-PGPUB; USPAT	OR	ON	2009/04/30 10:50
S86	3332406	"11" not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/30 10:51
S87	1	S85 not @ad>="20030312"	US-PGPUB; USPAT	OR	ON	2009/04/30 10:51
S88	9	("4809194").URPN.	USPAT	OR	OFF	2009/04/30 10:51

S89	5	("3775602"   "4009380"   "4365310"   "4542367"   "4590608").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/04/30 10:51
S90	15	("2002/0177447").URPN.	USPAT	OR	OFF	2009/04/30 11:21
S91	21	("2003/0128658").URPN.	USPAT	OR	OFF	2009/04/30 11:22
S92	21	("2003/0128658").URPN.	USPAT	OR	OFF	2009/04/30 11:22

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